Transport Architect

Role Description

Continually stays abreast of innovation and emerging technology. Assesses applicability of new and emerging technology with the established architectural patterns across the customer enterprise and program centric solutions. Researches, designs, and oversees implementation of new technologies and architectural patterns. Establishes designs and estimates for incorporation of new projects and technologies while also communicating them to program leadership, customers, and other stakeholders. Designs and implements computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks including Software Defined Networks (SDN), Application Analysis, and Quality of Service. Performs network modeling, analysis, and planning. Also designs network and computer security measures. Researches and recommends network and data communications hardware and software. Experience with multi-vendor Firewalls, multi-vendor switches and routers including IPv6 engineering implementation experience. Performs work that will include a variety of complex features and require multi-or interdisciplinary approaches. Conducts advanced and state-of-the-art assignments such as network design optimization, technical trade studies, specification of equipment configurations, technology assessment, technology insertion planning, capacity planning, and configuration management. Examples of other activities include the following:

- Network architecture and strategic planning

- Evaluate network performance reports and provide network consulting support

- Engineer / re-engineer network consistent with customer service level requirements and approved requirements document (i.e. IPv6, multi-VRF, QOS, etc.)

- Plan logical addressing, redundancy, capacity (logical & physical).

- Provide network design implementation and Tier 4 operations support.

- Provide technical information for, and final technical editing of, all documents and proposals

Works at an enterprise level and in cross-functional teams to assist with the development of strategic and enterprise plans. Must have great, customer-focused, team-oriented communications and consultative skills, be highly accountable, be self-directed and productive with strong work ethic, be willing to show "presence" and availability on IM during business hours.

Experience in the following areas:

- Designing and implementing MPLS/VPN networks

- Designing and implementing SDN

- o Designing and implementing Data Centers utilizing Virtual Switching Systems (VSS), Virtual Private Cloud (VPC), and V LAN

- o Knowledge with Tellabs GPON/Optical LAN Networking

- o Experience with Cisco, HPE Aruba, and similar products

- o Expertise in BGP, OSPF, and other routing protocols

Levels

Level	Education	Years' Experience
Junior	Bachelor or Equivalent in related field	0 to 2
Journeyman	Bachelor or Equivalent in related field	2 to 5
Senior	Bachelor or Equivalent in related field. Master's Preferred in related field	5 to 8
SME	Bachelor or Equivalent in related field. Master's Preferred in related field	8 or more

Clearance(s)

One or more of the following clearances may be required:

Secret / Top Secret / SCI Eligibility / Agency Specific